

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-18. (canceled).

19. (new) An ophthalmic lens device comprising a material having an optical refractive index varying in at least one direction in response to a force being exerted directly on the material by ocular tissue, for causing the refractive index to change, wherein said material comprises at least one polymer onto which is bonded at least one substituent selected from the group consisting of sulfur, halogens and aromatic nuclei.

20. (new) An ophthalmic lens device comprising a material having an optical refractive index varying in at least one direction in response to a force being exerted directly on the material by ocular tissue, for causing the refractive index to change, wherein said material comprises at least one polymer onto which is bonded at least one substituent selected from the group consisting of chlorine, bromine and iodine.

21. (new) The ophthalmic lens according to claim 19, wherein the polymer is a silicon or a polymer or a copolymer comprising an acrylate or methacrylate monomer.

22. (new) The ophthalmic lens according to claim 20, wherein the polymer is a silicon or a polymer or a copolymer comprising an acrylate or methacrylate monomer.

23. (new) An ophthalmic lens device comprising a material having an optical refractive index varying in at least one direction in response to a force being exerted directly on the material by ocular tissue, for causing the refractive index to change, wherein said material comprises at least one mesomorphic compound.

24. (new) An ophthalmic lens device comprising a material having an optical refractive index varying in at least one direction in response to a force being exerted directly on the material by ocular tissue, for causing the refractive index to change, wherein said material comprises a liquid crystal polymer.

25. (new) The ophthalmic lens device according to claim 24, wherein said liquid crystal polymer is a three-dimensional liquid crystal polymer.

26. (new) The ophthalmic lens device according to claim 27, wherein said liquid crystal polymer is a three-dimensional liquid crystal polymer having mesomorphic portions capable of being oriented by means of a mechanical effect.

27. (new) The ophthalmic lens device according to claim 19, wherein said material comprises portions capable of being oriented by means of a mechanical effect.

28. (new) The ophthalmic lens device according to claim 20, wherein said material comprises portions capable of being oriented by means of a mechanical effect.

29. (new) The ophthalmic lens device according to claim 23, wherein said material comprises portions capable of being oriented by means of a mechanical effect.

30. (new) The ophthalmic lens device according to claim 24, wherein said material comprises portions capable of being oriented by means of a mechanical effect.

31. (new) The ophthalmic lens device according to claim 19, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by a muscle of the eye.

32. (new) The ophthalmic lens device according to claim 20, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by a muscle of the eye.

33. (new) The ophthalmic lens device according to claim 23, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by a muscle of the eye.

34. (new) The ophthalmic lens device according to claim 24, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by a muscle of the eye.

35. (new) The ophthalmic lens device according to claim 19, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by the zonulae.

36. (new) The ophthalmic lens device according to claim 20, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by the zonulae.

37. (new) The ophthalmic lens device according to claim 23, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by the zonulae.

38. (new) The ophthalmic lens device according to claim 24, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by the zonulae.

39. (new) The ophthalmic lens device according to claim 19, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by an eyelid.

40. (new) The ophthalmic lens device according to claim 20, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by an eyelid.

41. (new) The ophthalmic lens device according to claim 23, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by an eyelid.

42. (new) The ophthalmic lens device according to claim 24, wherein said material has an optical refractive index varying in at least one direction in response to a force exerted by an eyelid.

43. (new) The ophthalmic lens device according to claim 19, wherein said ophthalmic lens device is a contact lens.

44. (new) The ophthalmic lens device according to claim 20, wherein said ophthalmic lens device is a contact lens.

45. (new) The ophthalmic lens device according to claim 23, wherein said ophthalmic lens device is a contact lens.

46. (new) The ophthalmic lens device according to claim 24, wherein said ophthalmic lens device is a contact lens.

47. (new) The ophthalmic lens device according to claim 19, wherein said ophthalmic lens device is an intraocular lens.

48. (new) The ophthalmic lens device according to claim 20, wherein said ophthalmic lens device is an intraocular lens.

49. (new) The ophthalmic lens device according to claim 23, wherein said ophthalmic lens device is an intraocular lens.

50. (new) The ophthalmic lens device according to claim 24, wherein said ophthalmic lens device is an intraocular lens.

51. (new) The ophthalmic lens device according to claim 19, wherein said material has portions whose orientation is responsive to force exerted by ocular tissue.

52. (new) The ophthalmic lens device according to claim 20, wherein said material has portions whose orientation is responsive to force exerted by ocular tissue.

53. (new) The ophthalmic lens device according to claim 23, wherein said material has portions whose orientation is responsive to force exerted by ocular tissue.

54. (new) The ophthalmic lens device according to claim 24, wherein said material has portions whose orientation is responsive to force exerted by ocular tissue.